

F-8017

**ABSTRACT**

Appended hereto, on a separate sheet, an Abstract is provided for this application.

### **Abstract**

An automatic saw includes a serrated blade, a blade holder connected to the serrated blade at one end thereof, a plunger arranged at the other end of the blade holder and arranged inside a housing as slidable in the housing, an engagement piece secured to the plunger inside the housing having an engagement elongated hole formed at a side surface of the engagement piece, the engagement hole extending in a direction perpendicular to an extending direction of an axis of the plunger, an air motor rotatable of a crank shaft inserted in and engaged with the engagement hole via a side opening formed in the housing, and a motor housing covering the motor rotatably coupled to the side opening. The rotational force of the crank shaft according to operation of the air motor is converted to back and forth reciprocal movement of the serrated blade via the engagement hole and the engagement piece.